## ISSUE SLIP STAPLE AREA (for additional cross references)

|          | • •           | ·                 |
|----------|---------------|-------------------|
| INITIAGE | ID NO.        | DATE              |
| •        | ſ <u></u>     |                   |
| T-G      | 10.100        | 1/2-1             |
|          | 12            | 4/29              |
|          |               | //                |
| NP       | 588           | 5-22-01           |
| 48       | JC906         | 06/26/01          |
|          | INITIAL TO GO | 7.G- 12<br>NI 589 |

## INDEX OF CLAIMS

| ✓ Rejected                 | N Non-elected  |
|----------------------------|----------------|
| = Allowed                  | I Interference |
| (Through numeral) Canceled | A Appeal       |
| ÷ Restricted               | O Objected     |

|              |          |              |                |              |              |              |          |   |         | •       |          |          |          |
|--------------|----------|--------------|----------------|--------------|--------------|--------------|----------|---|---------|---------|----------|----------|----------|
| Cla          | ılm      |              |                | _            | _            | D            | ate      |   |         | _       |          |          |          |
| ۳            | =        | 50/2/0       | 7193           | Γ            | Γ            | Τ            | T        | ٦ |         |         |          | П        |          |
| <sub>=</sub> | Original | 4            | 10             | 1            |              | ļ            | 1        |   |         |         |          | 1        |          |
| Final        | 8        | 6            | ú              |              | _            | L            | 1        |   |         |         |          |          |          |
| 7            |          | F            |                |              |              | Ι            | Ι        |   |         |         |          | Ш        |          |
|              | 2        | 2            |                |              | L            |              | 1        |   |         |         |          | Ш        |          |
|              | 3        | 1            | 1              |              | L            | Ι            | 1        |   |         |         |          | Ш        |          |
|              | 4        | K            | V              | Ł            | L            | I            | 1        |   |         | $\Box$  | L        | Ц        |          |
|              | <u> </u> | 1            | L              | L            | L            | $\downarrow$ | 4        |   |         | L.      | L        | Ы        |          |
|              | 8        | Ľ            | _              | L            | Ļ            | 1            | 4        |   | L       | ļ       | L        | Н        |          |
| _            | 7        | Ц            | <u> </u>       | Ļ            | Ļ            | 4            | 4        | _ | _       | ┡       | <u> </u> | L        |          |
| L            | 8        | Щ.           | ۷              | 1            | Ļ            | +            | 4        |   | ļ       |         | ┝        | -        |          |
| ╙            | 9        | Щ.           | بدإ            | <del> </del> | ╀            | +            | 4        | _ | ├       | -       | ┝        | ├        |          |
| <u> </u>     | 10       | #            | ╀              | ╀            | ╄            | ╀            | 4        |   | -       | ŀ       | ┝        | ⊢        |          |
| -            | 12       | ₩            | <del> </del> − | ╀            | ╀            | ╀            | +        |   | ┝       | ┝       | ⊢        | ├        |          |
| ⊢            | 16       | Н            | ╀╌             | ╁╌           | ╁            | ┿            | +        | _ | ╌       | ╀╌      | ┢╌       | ╁        | ı        |
| ├-           | 114      | ₩            | ╀              | ╀            | ╀            | ┿            | ┪        | _ | ┝       | ╆       | $\vdash$ | ┼        | 1        |
| $\vdash$     | 15       |              | +-             | ╁            | +            | 十            | ┪        |   | ╁       | ╁       | †        | +        | 1        |
| $\vdash$     | 16       |              | ╁              | +            | +            | +            | ┪        | - | +       | 十       | t        | $\vdash$ | 1        |
| -            | 17       |              | +              | ╁            | +            | +            | ┪        | _ | Η       | †       | T        | T        | 1        |
| 1            | His      |              | +              | 十            | 十            | 十            | 7        | _ | t       | T       | T        | T        | 1        |
| -            | 19       | _            | +              | t            | +            | +            | ┪        | - | ✝       | Τ       | T        | Τ        | 1        |
| $\vdash$     | di.      |              | +              | +            | +            | +            | 7        | _ | ✝       | t       | T        | T        | 1        |
| $\vdash$     | 猒        | Ħ            | +              | +            | +            | ╅            | -        | - | ۲       | +       | t        | +-       | 1        |
| $\vdash$     |          | Н            | +              | +            | +            | +            | -        | Н | ╁       | t       | t        | T        | 1        |
| $\vdash$     | 1        | t            | . -            | +            | 十            | +            | _        | Н | ✝       | ╁       | t        | T        | 1        |
| Ħ            | 2        | т.           | t              | ⊁            | +            | 7            | _        | ┪ | ✝       | 1       | T        | T        | 1        |
| $\vdash$     | 2        |              | ۲ĭ             | +            | +            | 7            | _        | Г | 1       | †       | T        | 1        | 1        |
| Н            | 26       |              | 11             | T            | 1            | 1            |          | Γ | T       | T       | T        | T        | 7        |
| T            | 2        | _            | 11             | T            | 1            | 7            |          | Г | 1       | T       |          |          | ]        |
|              | 21       |              | 71             | Ţ            | T            | J            | _        |   | Γ       | Ι       | Ι        | I        | ]        |
| 1            | 21       | 3            | $\mathbb{T}$   |              | 1            | J            |          |   | Γ       |         | I        |          |          |
|              | 3        | 0            | Ī              | 1            | I            |              |          | Ĺ | Ι       | I       | $\perp$  | T        | 1        |
|              | 3        | _            | I              | Ι            | Ι            | $\Box$       |          |   | L       | $\perp$ | 1        | 1        | 1        |
| .[           | 3        |              | I              | I            |              |              |          | Ĺ | 1       | 1       | 1        | $\bot$   | 1        |
|              | 3        |              | I              |              |              |              | _        | L | $\perp$ | $\perp$ | 4        | 4-       | 4        |
|              | 3        |              | $\int$         | $\perp$      |              |              |          | L | 1       | 1       | 1        | 1        | 4        |
|              | 3        |              | 1              | $\perp$      | $\downarrow$ | ╝            |          | L | Ļ       | 4       | 4        | 4        | 4        |
|              | 3        | _            | _              | 1            | 4            | _            |          | L | +       | 4       | 4        | +        | 4        |
| Ĺ            |          | 7            | $\perp$        | 4            | 4            | _            | _        | Ļ | 4       | 4       | 4        | +        | 4        |
|              | _1_      | 81           | 4              | 4            | 4            | _            | _        | Ļ | 4       | 4       | +        | +        | 4        |
| L            |          | 9            | 4              | 4            | 4            | _            | <u>_</u> | Ļ | +       | +       | +        | +        | 4        |
| ۱.           | _        | 0            | 4              | 4            | 4            | ᆚ            | _        | ╀ | 1       | +       | +        | +        | 4        |
| L            |          | 11           | 4              | 4            | 4            |              | L        | Ļ | 4       | 4       | 4        | 4        | 4        |
| L            | _        | 2            | 4              | 4            | 4            | _            | _        | 1 | 4       | 4       | +        | 4        | 4        |
| L            | -        | 3            | 4              | 4            | 4            | _            | Ļ.       | ╀ | +       | 4       | +        | 4        | 4        |
| L            |          | 4            | 4              | 4            | 4            | _            | L        | + | +       | +       | +        | 4        | 4        |
| L            |          | 5            | +              | +            | 4            |              | L        | + | +       | +       | +        | +        | 4        |
| -            | _        | 8            | 4              | 4            | 4            | _            | <u> </u> | + | +       | +       | +        | +        | $\dashv$ |
| ŀ            | _        | 긲            | -              | 4            | 4            | _            | L        | + | +       | +       | +        | ┵        | 4        |
| ŀ            |          | 19           | +              | +            | -            | _            | $\vdash$ | ╀ | +       | +       | +        | +        | $\dashv$ |
| H            | _        | 9            | +              | +            | {            |              | ┝        | ╁ | +       | +       | ╁        | +        | ۲        |
| L            | _1;      | <u>. Lv.</u> | L              |              | _1           |              | ı        |   | L       |         | _1_      |          | _        |

| Cla      | lm       |    |   |   |     |   | •  | D | at | е       |   |   |    |   |          |          |
|----------|----------|----|---|---|-----|---|----|---|----|---------|---|---|----|---|----------|----------|
| Final    | Original |    |   |   |     |   |    |   |    |         |   |   |    |   |          |          |
| ۳        | 51       | ١  | ┞ | + | -   | + | -  | ┞ | ۲  | _       | ╁ | + |    | H | +        | $\dashv$ |
| -        | 52       | ┝  | ╀ | + | _   | ╁ | -  | ┝ | 4  | _       | ╁ | ┪ | _  | ┝ | +        | ┥        |
| ⊢        | 53       |    | ╀ | + | _   | + |    | ╁ | -  | _       | t | ┪ | _  | ┝ | +        | ┨        |
|          | 54       | ⊢  | ┝ | 4 | -   | + |    | ╀ | 4  | -       | t | ┪ |    | ┝ | +        | ┪        |
| ┝        | 55       |    | ╁ | ┪ | _   | t | -  | t | _  | _       | t | 7 |    | t | t        | ヿ        |
| -        | 56       | -  | t | ┪ | _   | 1 | _  | t | -  | г       | t | ┪ |    | t | t        | ヿ        |
| $\vdash$ | 57       | F  | t | + | _   | † | _  | t | _  |         | t | 7 | _  | t | †        | ٦        |
| $\vdash$ | 58       | H  | t | ┪ |     | † |    | t |    | Т       | t | ٦ |    | T | 1        | ٦        |
| $\vdash$ | 59       | Г  | T |   | _   | 1 | _  | t | -  |         | T |   |    |   | T        |          |
|          | 60       | _  | T |   | Г   | 7 |    | Ť |    |         | Ţ |   |    | Γ | 1        | $\Box$   |
|          | 61       |    | T |   |     | 1 |    | Ι |    |         | Ι |   |    | I | 1        | ╗        |
|          | 62       |    | I |   |     |   |    | Ι |    |         | I |   |    | L | 1        | ┙        |
|          | 63       | L  |   |   |     |   |    | 1 | _  | L       | Ţ |   |    | ļ | 4        | 4        |
|          | 64       | L  | L |   | L   |   | L  | 1 | _  | L       | 1 |   |    | ļ | 4        | _        |
|          | 65       | _  | 1 | _ | L   |   |    | 1 |    | L       | 1 | _ | L  | ļ | 4        | _        |
| L        | 66       | _  | 1 | _ | L   | _ |    | 1 | _  | Ļ.      | 4 |   | L  | 1 | 4        | 4        |
| 上        | 67       |    | 4 |   | L   | _ | L  | 4 | _  | L       | + |   | L  | + | 4        | ᅱ        |
| 1        | 68       | -  | 4 |   | Ļ   | Ļ | L  | 4 |    | ╄       | 4 | _ | Ļ  | ╀ | 4        | ᅱ        |
| L        | 69       | -  | + | _ | Ļ   | j | L  | 4 | _  | ╀       | 4 |   | ├- | + | 4        | $\dashv$ |
| L        | 70       | _  | 1 | _ | L   |   | L  | 4 | _  | Ļ       | 4 | _ | L  | + | 4        | $\dashv$ |
| $\vdash$ | 71       |    | 4 | _ | Ļ   |   | L  | 4 |    | ╀       | 4 | _ | ┡  | + | 4        |          |
| L        | 72       |    | 4 | _ | Ļ   | _ | L  | 4 | _  | ╄-      | 4 | _ | ┡  | + | 4        | Н        |
| $\perp$  | 7:       |    | 4 | _ | ╀   | _ | Ļ  | 4 | _  | ╀       | 4 | _ | ┝  | + | 4        | _        |
| L        | 74       |    | 4 | _ | ╀   |   | ├- | 4 | _  | ╄       | 4 | _ | ╀  | + | 4        | _        |
| -        | 7:       | _  | 4 | _ | ╄   | _ | ┞  | + | _  | ╀       | ┨ | _ | ╀  | + | -        |          |
| -        | 76       |    | + | - | ╀   |   | ┞  | + | _  | ╁       | ┥ | _ | ╁  | + | -        | H        |
| $\vdash$ | 70       |    | ┪ |   | +   | - | ╁  | ┪ | _  | ╁       | ┪ | - | ╁  | + |          | _        |
| $\vdash$ | 7        |    | + | _ | t   | _ | t  | 1 |    | t       | 1 | _ | ╁  | + | _        | -        |
| $\vdash$ | 8        | -  | 1 | - | t   | _ | t  | 1 | _  | 十       | _ | _ | ✝  | † |          | Г        |
| ┢        | 8        |    | ┪ | _ | t   | _ | t  | ┪ | _  | t       | ┪ | _ | Ť  | 1 |          | _        |
| h        | -        | 2  | 7 |   | t   |   | t  | ٦ |    | 1       |   |   | T  | 7 |          |          |
| r        | 8        |    | 7 |   | †   |   | T  |   | _  | T       | 7 | Г | T  |   |          |          |
|          | 8        | 4  |   |   | 1   | _ | T  | ٦ | _  | T       |   |   | I  | J |          |          |
| Г        | 8        | 5  |   |   | T   |   | T  |   |    | Ι       |   |   | I  |   |          | L        |
| Г        | 8        | 6  |   |   | T   |   | Ι  |   |    | I       |   |   |    |   |          | L        |
|          | 8        | 7  |   |   | I   |   | I  |   |    | Ι       |   | L | l  |   |          | L        |
|          | _        | 8  |   |   | I   |   | I  |   | !  | $\perp$ |   | L | Ţ  | _ | _        | Ļ        |
|          |          | 9  |   |   | 1   |   | 1  |   | L  | $\perp$ | _ | L | 1  | 4 | _        | L        |
| L        | 9        | 0  |   |   | ┙   |   | Ţ  | _ | L  | 1       | _ | L | ┸  | ┙ | _        | L        |
|          |          | 1  |   |   | 1   |   | 1  |   | L  | 4       | _ | L | 1  | _ | _        | L        |
| Ĺ        | _        | 2  |   | Ĺ | 1   |   | 1  |   | L  | 4       | _ | L | 4  | ᆚ | L        | ╄        |
| L        | _        | 3  | _ | Ŀ | 4   |   | 1  |   | L  | 4       | _ | L | +  | 4 | L        | ╀-       |
| L        |          | 4  | _ | L | 1   | _ | 1  | _ | L  | 4       | _ | 1 | 4  | 4 | L        | ╀        |
|          | _        | 5  |   | L | 4   | _ | 1  |   | L  | +       | _ | ╀ | +  | 4 | Ļ        | ╀        |
| L        | _        | 8  |   | L | 4   | _ | +  | _ | H  | +       |   | ╀ | +  | 4 | $\vdash$ | ╁        |
| L        | _        | 7  | _ | ┞ | 4   | _ | +  | _ | H  | +       | _ | ╀ | +  | 4 | -        | ╀        |
| ┝        |          | 8  | _ | ┝ | 4   | _ | +  | - | ╀  | +       | _ | ╁ | +  | - | ┝        | +        |
| ⊦        |          | 00 | _ | ┝ | +   | - | +  | _ | ┝  | +       | - | ۲ | +  | - | H        | t        |
| L        | . 19     | ٧, | _ | 1 | _ 1 | _ |    | _ | _  | _       | _ | _ | _  |   | _        | _        |

|          |          |                |         | Т | 7 |    | Г  | Т |    |          |          |          |          |
|----------|----------|----------------|---------|---|---|----|----|---|----|----------|----------|----------|----------|
| Final    | Original |                |         |   |   |    |    |   |    |          |          |          |          |
| _        | 101      | Н              |         | T | _ | Г  | Π  | T |    |          |          | П        | П        |
|          | 102      |                | ┢       | t | Ť | Т  | T  | T | -  | Т        |          | П        | П        |
|          | 103      | _              | ┝       | t | ┪ | ┢  | ┢  | t | ┪  | _        | $\vdash$ | П        | П        |
|          | 104      | _              | ┝       | ۲ | - | -  | ╁╌ | + | -  | -        | ┝        | H        | Н        |
| _        | 105      |                |         | ╁ | - | -  | ╁  | t |    | $\vdash$ | Н        | -        | Н        |
| ┝        | 106      | _              | ⊢       | t |   | ┝  | ۲  | + |    | $\vdash$ | $\vdash$ | -        | Н        |
| _        | 107      |                | ┝       | t | - | -  | ╁  | ╁ | _  | -        |          | ┢        | Н        |
| -        | 108      | _              | ┢       | t | - | ┢  | ╁  | t | _  | -        | ┢        | ┢        | Н        |
| ⊢        | 109      |                | ┢       | t | _ | ╁╴ | ╁╌ | t | _  |          | ├─       | $\vdash$ | Н        |
| ┝        | 110      |                | ┢       | t |   | ┝  | ╁╴ | + | _  | 一        | ┢        | ┰        | Н        |
| ┝╾       | 111      |                | ┝       | t | _ | ┢  | ╀╴ | t | _  | 1        | ┪        | +-       | H        |
| ⊢        | 112      |                | ┢       | t | _ | ┝  | t  | t | -  | +-       | 1        | ┰        | Н        |
| ⊢        | 113      |                | ╀╌      | t |   | H  | ╁╴ | + | _  | 1        | 1        | t        | H        |
| ⊢        | 114      |                | ╁       | t | - | H  | ╁  | + |    | ✝        | ╁        | H        | H        |
| ⊢        | 115      |                | ╀       | + | - | ╀  | ┿  | + | _  | ╁        | ╁        | 十        | ╁┤       |
| ⊦        | 116      | <del>]</del> – | ╁       | ╁ |   | ╁  | ╁  | + | -  | ┢        | ╁        | ╁        | $\vdash$ |
| ┝        | 117      |                | ╁       | + | - | ╁  | ┿  | + |    | +-       | ╁        | ╁        | +        |
| ⊢        | 111      | _              | ╀╌      | ╁ | _ | ╁  | ┿  | + |    | ┿        | ╁╌       | +-       | Н        |
| ⊦        | -        | _              | ╀       | + |   | ╁  | ╁  | + | _  | ╁        | ╁╴       | +        | +        |
| ⊣        | 111      | _              | ╀       | + | - | ┿  | ┿  | + | _  | ╁        | ╁        | +        | $\vdash$ |
| L        | 120      |                | ļ.,     | 4 | _ | ╀  | +  | 4 | _  | ╄        | +-       | +-       | ⊢        |
| _        | 12       | _              | 1       | 4 | - | Ļ  | +  | 4 | _  | ╀        | +-       | ╬        | ╀        |
| L        | 12       |                | ╄       | 4 |   | ╀  | +  | 4 |    | +-       | +        | ╀        | ┼        |
| L        | 12       | _              | ┺       | 4 |   | ╀- | 4- | 4 | _  | ╀        | +        | 4-       | ╄        |
| L        | 12       | _              | ╀       | 4 |   | ╀  | +  | 4 | _  | +        | +-       | ╀        | ╁┈       |
| L        | 12       |                | $\perp$ | 4 | _ | ╀  | +  | 4 | _  | +        | +        | +-       | +-       |
| L        | 12       | 6              | +       | 4 | _ | 4  | 4  | 4 | _  | +        | +        | ╁        | ╄        |
| L        | 12       |                | +       | 4 | _ | 4- | 4  | 4 | _  | ╀        | 4-       | ╀        | +-       |
| L        | 12       | _              | +       | 4 | _ | +  | +  | 4 | H  | +        | -        | +-       | ╁        |
| L        | 12       | _              | +       | 4 | _ | ╀  | ŧ  | 4 | H  | ┿        | ╀        | ╁        | ╁        |
| <u> </u> | 13       | _              | +       | 4 | _ | ╀  | +  | _ | ⊢  | ┿        | ╫        | ╁        | ┿        |
| L        | 13       |                | +       | 4 | _ | +  | +  | _ | ┝  | ╫        | +-       | ╀        | ╁        |
| L        | 13       |                | +       | 4 | _ | +  | +  | _ | Ļ  | ┿        | ┿        | ╀        | ╀        |
| $\perp$  | 13       |                | +       | 4 | Ļ | +  | +  | _ | L  | ╬        | +        | +        | +-       |
| L        | 1:       |                | +       | 4 | _ | 4  | +  |   | ┡  | ╀        | ┿        | +        | ╀        |
| L        | 13       |                | +       | _ | Ļ | 4  | 4  | _ | Ļ  | ┿        | ┿        | +        | ╀        |
| -        | 13       |                | 4       | _ | L | +  | +  | _ | ┡  | +        | +        |          | +        |
| F        | 1        | _              | +       | _ | L | +  | 4  |   | ┞  | +        | +        | ╁        | +-       |
| Ļ        |          | 18             | 4       | _ | Ļ | 4  | +  | _ | ┞  | ╌        | ╌        | ┿        | ┿        |
| F        |          | 39             | +       | _ | L | +  | +  | _ | ╀  | +        |          | ╬        | +        |
| L        |          | 10             | 4       |   | L | +  | 4  | _ | 1  | +        | +        | +        | +        |
| L        | 1.       | 41             | _       | _ | L | 4  | 4  |   | Ļ  | 4        | 4        | 4        | +-       |
| Ļ        | 11       | 42             | 4       | _ | L | 4  | 4  | _ | L  | 4        | 4        | +        | -        |
| L        |          | 43             | 4       |   | L | 4  | 4  | _ | Ļ  | +        | 4        | 4        | 4-       |
| L        |          | 44             | 1       | _ | Ļ | 4  | 4  | _ | Ļ  | 4        | 4        | 4        | +        |
| L        |          | 45             | 4       | _ | L | 4  | 4  | _ | Ļ  | 4        | +        | 4        | +        |
| L        | <u> </u> | 46             | 4       | _ | L | 4  | 4  | _ | Ļ  | 4        | 4        | +        | +-       |
| L        | 1        | 47             | 1       | _ | L | ┵  | 4  |   | Ļ  | 4        | 4        | 4        | 4-       |
| L        | <u> </u> | 48             | 4       |   | L | 4  | 4  | _ | 1  | 4        | 4        | 4        | ╀        |
| L        | _ 11     | 49             | 4       |   | Ļ | 4  | 4  | _ | ļ. | 4        | 4        | +        | +        |
| L        | _ t      | 50             | _1      | _ | L | ┸  | _1 | _ | L  |          |          |          |          |
|          |          |                |         |   |   |    |    |   |    |          |          |          |          |

Date

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